



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/971,884

DATE: 02/04/2002

TIME: 11:37:28

Input Set : N:\Crf3\RULE60\09971884.raw

Output Set: N:\CRF3\02042002\I971884.raw

ENTERED

1 <110> APPLICANT: Murphy, John R.
 2 Li, Sun
 3 <120> TITLE OF INVENTION: IDENTIFICATION OF VIRULENT DETERMINANT ACTIVATORS IN
 4 PROKARYOTIC PATHOGENS
 5 <130> FILE REFERENCE: BOSTU 3.0-002
 6 <140> CURRENT APPLICATION NUMBER: 09/971,884
 7 <141> CURRENT FILING DATE: 2001-10-05
 9 <150> PRIOR APPLICATION NUMBER: US/09/408,618
 10 <151> PRIOR FILING DATE: 1999-09-30
 14 <160> NUMBER OF SEQ ID NOS: 19
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 27
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Corynebacterium diphtheriae
 21 <400> SEQUENCE: 1
 22 ataattagga tagctttacc taattat 27
 24 <210> SEQ ID NO: 2
 25 <211> LENGTH: 19
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Unknown
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
 30 <400> SEQUENCE: 2
 31 gtaggttagg ctaacctat 19
 33 <210> SEQ ID NO: 3
 34 <211> LENGTH: 25
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Unknown
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
 39 <223> OTHER INFORMATION: "n" bases represent a, t, c, g, other or unknown
 40 <400> SEQUENCE: 3
 W--> 41 ananttaggn tagnctannc tnnnn 25
 43 <210> SEQ ID NO: 4
 44 <211> LENGTH: 19
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Unknown
 47 <220> FEATURE:
 48 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
 49 <400> SEQUENCE: 4
 50 twaggttags ctaacctwa 19
 52 <210> SEQ ID NO: 5

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/971,884

DATE: 02/04/2002

TIME: 11:37:28

Input Set : N:\Crf3\RULE60\09971884.raw

Output Set: N:\CRF3\02042002\I971884.raw

```

53 <211> LENGTH: 20
54 <212> TYPE: DNA
55 <213> ORGANISM: Unknown
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
58 <400> SEQUENCE: 5
59     gataattgag aatcattttc                                20
61 <210> SEQ ID NO: 6
62 <211> LENGTH: 19
63 <212> TYPE: DNA
64 <213> ORGANISM: Unknown
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
67 <400> SEQUENCE: 6
68     gatattgaga atcattttc                                19
70 <210> SEQ ID NO: 7
71 <211> LENGTH: 19
72 <212> TYPE: DNA
73 <213> ORGANISM: Unknown
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
76 <400> SEQUENCE: 7
77     gatactgaga atcattttc                                19
79 <210> SEQ ID NO: 8
80 <211> LENGTH: 19
81 <212> TYPE: DNA
82 <213> ORGANISM: Unknown
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
85 <400> SEQUENCE: 8
86     gatactgaga atcatgttc                                19
88 <210> SEQ ID NO: 9
89 <211> LENGTH: 24
90 <212> TYPE: DNA
91 <213> ORGANISM: Unknown
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
94 <400> SEQUENCE: 9
95     accagatctg ccgaaaaact tcga                            24
97 <210> SEQ ID NO: 10
98 <211> LENGTH: 25
99 <212> TYPE: DNA
100 <213> ORGANISM: Unknown
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
103 <400> SEQUENCE: 10
104     accagatctc cgccttttagt attta                        25
106 <210> SEQ ID NO: 11
107 <211> LENGTH: 44

```

RAW SEQUENCE LISTING

DATE: 02/04/2002

PATENT APPLICATION: US/09/971,884

TIME: 11:37:28

Input Set : N:\Crf3\RULE60\09971884.raw

Output Set: N:\CRF3\02042002\I971884.raw

```

108 <212> TYPE: DNA
109 <213> ORGANISM: Unknown
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
112 <400> SEQUENCE: 11
113      aattcggtga cactctatca ttgatagagt tatttttagga tcca                44
115 <210> SEQ ID NO: 12
116 <211> LENGTH: 44
117 <212> TYPE: DNA
118 <213> ORGANISM: Unknown
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
121 <400> SEQUENCE: 12
122      gatctggatc ctaaaataac tctatcaatg atagagtgtc aacg                44
124 <210> SEQ ID NO: 13
125 <211> LENGTH: 20
126 <212> TYPE: DNA
127 <213> ORGANISM: Unknown
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
130 <400> SEQUENCE: 13
131      cgtggtcaac aaaaattagg                20
133 <210> SEQ ID NO: 14
134 <211> LENGTH: 20
135 <212> TYPE: DNA
136 <213> ORGANISM: Unknown
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
139 <400> SEQUENCE: 14
140      attccgcggt tatgctgcta                20
142 <210> SEQ ID NO: 15
143 <211> LENGTH: 22
144 <212> TYPE: DNA
145 <213> ORGANISM: Unknown
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
148 <400> SEQUENCE: 15
149      gttaacgctt aattaattaa gc                22
151 <210> SEQ ID NO: 16
152 <211> LENGTH: 22
153 <212> TYPE: DNA
154 <213> ORGANISM: Unknown
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
157 <400> SEQUENCE: 16
158      gcttaattaa ttaagcgta ac                22
160 <210> SEQ ID NO: 17
161 <211> LENGTH: 59
162 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

DATE: 02/04/2002

PATENT APPLICATION: US/09/971,884

TIME: 11:37:29

Input Set : N:\Crf3\RULE60\09971884.raw

Output Set: N:\CRF3\02042002\I971884.raw

163 <213> ORGANISM: Unknown
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
166 <400> SEQUENCE: 17
167 aattctgcag ggcattgatt cagagcaccc ttataataga tctgagctcg gtaccgagg 59
169 <210> SEQ ID NO: 18
170 <211> LENGTH: 59
171 <212> TYPE: DNA
172 <213> ORGANISM: Unknown
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
175 <400> SEQUENCE: 18
176 gatccccggg taccgagctc agatctatta taagggtgct ctgaatcaat gccctgcag 59
178 <210> SEQ ID NO: 19
179 <211> LENGTH: 45
180 <212> TYPE: DNA
181 <213> ORGANISM: Unknown
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Unknown Organism: Oligonucleotide
184 <400> SEQUENCE: 19
185 ggcagataac caacgcaacg acccagcttc ggctgggttt atcag 45

VERIFICATION SUMMARY

DATE: 02/04/2002

PATENT APPLICATION: US/09/971,884

TIME: 11:37:30

Input Set : N:\Crf3\RULE60\09971884.raw

Output Set: N:\CRF3\02042002\I971884.raw

L:41 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3

L:41 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3

L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3